

**PUBLIC NOTICE**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)**  
**SHELL CHEMICAL, L.P.**  
**ST. ROSE REFINERY**

**PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL AND MINOR MODIFICATION**

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed Part 70 air operating permit renewal and minor modification for Shell Chemical, L.P., P.O. Box 10, Norco, LA 70079 for the St. Rose Refinery. **The facility is located at 11842 River Rd., Lot 2, St. Rose, St. Charles Parish.**

Shell Chemical, L.P. requested a Part 70 air operating permit renewal and minor modification. The facility currently operates under Permit No. 2520-00028-V0, issued May 20, 2003.

Shell proposes the following changes to this permit:

- Reconcile emissions for the External Floating Roof Tank Cap (EPN 5018-01) and the Vertical Fixed Roof Tank Cap (EPN 5019-01).
  - Shell is proposing to increase the currently permitted product throughputs of naphtha and light straight run gasoline as well as decrease the product throughputs of diesel and kerosene. Note that the crude processing rate of the St. Rose Refinery is not being changed.
  - Individual tanks affected by this change include: TK-8552 (EPN 2-77), TK-8553 (EPN 2-80), TK-8558 (EPN 1-78), TK-8559 (EPN 3-77), and TK-8555 (EPN 3-80)
- Remove the Marine Dock (EPN 1-94)
  - The marine dock is not owned, operated or controlled by Shell. All emissions generated from the marine loading operations are included in the International Matex Tank Terminals (IMTT's) operating permit.
- Increase TK-8551 (EPN 3-78) throughput rates to increase the wastewater throughput of TK-8551 to accommodate the throughput of TK-8554 (EPN 1-97) during periods of maintenance and/or inspection of TK-8554.
- Update TK-8553 (EPN 2-80) emissions to account for a gasketed rim vent that was previously not identified. Note that this tank is included in the External Floating Roof Tank Cap (EPN 5018-01)
- Revise Oil/Water Separator (EPN 1-96) and Wastewater Fugitives (EPN 2-96) Emissions.
  - Shell is proposing to revise the maximum hourly emissions (lb/hr) methodology for the oil/water separator based on the maximum design rate. Note that the design capacity of the oil/water separator is not being revised.
  - Also, the speciated LTAP emissions for the oil/water separator as well as the wastewater fugitives are being reconciled based on the currently permitted annual average oil flow rate of 0.34 bbls/day through the system.
- Revise the FE-8501 Flare (EPN 5-77) emissions
  - Shell proposes to provide the flexibility to utilize 100% natural gas, 100% St. Rose fuel gas, and/or any combination of the two in the flare pilot and flare sweep gas.
- Update material compositions based on recent site specific information. Sources affected by the updated material compositions include: the FE-8501 Flare (EPN 5-77), Site Fugitive Emissions (EPN 7-77), External Floating Roof Tank Cap (EPN 5018-01) and the Vertical Fixed Roof Tank Cap (EPN 5019-01)
- Re-permit an existing Tank TK-8557 (EPN 4-77) as a storm water holding tank. This tank will be used to store storm water that collects in the tank farm dike until it can be processed through the wastewater treatment plant.
- Add Tank TK-8523 as an emission point (EPN 8-07). Tank TK-8523 is currently permitted as an Insignificant Activity; however, Shell proposes to include this tank as an emission point.
- Update site fugitive emissions (EPN 7-77)
- Update Insignificant and General Condition XVII Activities

➤ Update Regulatory Applicability.

- Shell is incorporating regulatory applicability determinations for TK-8557 (EPN 4-77) and TK-8523 (EPN 8-07)
- Shell is addressing the impacts of any recently promulgated regulations where appropriate
- And Shell is applying 40 CFR 60 Subpart GGG (NSPS for Equipment Leaks of VOC in Petroleum Refineries) on a site-wide basis making all fugitive components except compressor K-8501 subject to Subpart GGG requirements.
- Shell is also proposing a permit shield in the event the current fuel gas H<sub>2</sub>S monitor can not be repaired before the new H<sub>2</sub>S monitor can be installed.

A permit shield has been incorporated into this proposed permit.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	8.83	8.89	+0.06
SO <sub>2</sub>	31.33	33.41	+2.08
NO <sub>x</sub>	174.30	174.61	+0.31
CO	39.11	40.79	+1.68
VOC	185.54	163.97	-21.57

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Tuesday, May 20, 2008.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, proposed Part 70 air operating permit renewal and minor modification, statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at [www.deq.louisiana.gov](http://www.deq.louisiana.gov).**

An additional copy may be reviewed at St. Charles Parish Library-St. Rose Branch, 90 East Club Drive, St. Rose, LA.

Inquiries or requests for additional information regarding this permit action should be directed to Scott J. Templet, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3059.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at [deqmaillistrequest@la.gov](mailto:deqmaillistrequest@la.gov) or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permit and statement of basis** can be viewed at the LDEQ permits public notice webpage at [www.deq.louisiana.gov/apps/pubNotice/default.asp](http://www.deq.louisiana.gov/apps/pubNotice/default.asp) and general information related to the public participation in permitting activities can be viewed at [www.deq.louisiana.gov/portal/tabid/2198/Default.aspx](http://www.deq.louisiana.gov/portal/tabid/2198/Default.aspx).

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [http://www.doa.louisiana.gov/oes/listservpage/ldeq\\_pn\\_listserv.htm](http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm).

**All correspondence should specify AI Number 3462, Permit Number 2520-00028-V1, and Activity Number PER20070002.**

**Publication date: April 17, 2008**

BOBBY JINDAL  
GOVERNOR



HAROLD LEGGETT, PH.D.  
SECRETARY

## State of Louisiana

### DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20070002  
Agency Interest No. 3462

D. Frank Willsdon  
General Manager  
Shell Chemical LP  
Norco Mfg. Chemicals  
P. O. Box 10  
Norco, LA 70079-0010

RE: Part 70 Operating Permit, Shell Chemical LP - St Rose Refinery,  
St. Rose, St. Charles Parish, Louisiana

Dear Mr. D. Frank Willsdon:

This is to inform you that the permit renewal and minor modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Permit No.: 2520-00028-V1

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN:sjt  
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Shell Chemical LP - St Rose Refinery  
Agency Interest No.: 3462  
St. Rose, St. Charles Parish, Louisiana**

**I. Background**

Shell Chemical LP (Shell) operates the St Rose Refinery. Shell acquired the St. Rose Refinery from St. Rose Refining, Inc., a subsidiary of Enjet, Inc. on August 11, 1995. Shell currently operates the St Rose Refinery under the Part 70 operating Permit No. 2520-00028-V0, issued May 20, 2003.

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by Shell Chemical LP on October 19, 2007 requesting a Part 70 operating permit renewal and minor modification.

**III. Description**

The St. Rose Refinery is a small oil refinery located in St. Rose, Louisiana on approximately 11 acres of land. Process units at the facility include a crude distillation column, vacuum flasher, steam boiler, storage tanks, wastewater treatment plant, and support facilities. The St. Rose Refinery receives raw feed material (i.e. crude oil) from offsite. The raw feed is preheated prior to being sent to the desalter. The desalinated feed is then heated prior to entry into the crude heater which feeds the crude column. Any light ends that volatilize prior to entry into the crude heater are routed to a flash drum where the light ends are routed to the crude column. From the crude column, the product overheads (naphtha and light straight run gasoline) and intermediate products (kerosene, diesel, and gas oils) are collected and stored in product tanks. The crude column bottoms are sent to a vacuum heater and vacuum tower where additional intermediate products (gas oils) are collected and stored in product tanks. Off gases from the crude column and vacuum tower are routed to the fuel gas blend drum for use in the St. Rose combustion equipment. Principal products stored in the product storage tanks are light straight run gasoline, naphtha, distillate oil, residual oil, kerosene, and gas oils. Products are sent offsite via pipeline.

Shell proposes the following changes to this permit:

- Reconcile emissions for the External Floating Roof Tank Cap (EPN 5018-01) and the Vertical Fixed Roof Tank Cap (EPN 5019-01).
  - Shell is proposing to increase the currently permitted product throughputs of naphtha and light straight run gasoline as well as decrease the product throughputs of diesel and kerosene. Note that the crude processing rate of the St. Rose Refinery is not being changed.
  - Individual tanks affected by this change include: TK-8552 (EPN 2-77), TK-8553 (EPN 2-80), TK-8558 (EPN 1-78), TK-8559 (EPN 3-77), and TK-8555

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**Shell Chemical LP - St Rose Refinery**  
**Agency Interest No.: 3462**  
**St. Rose, St. Charles Parish, Louisiana**

(EPN 3-80)

- Remove the Marine Dock (EPN 1-94)
  - The marine dock is not owned, operated or controlled by Shell. All emissions generated from the marine loading operations are included in the International Matex Tank Terminals (IMTT's) operating permit.
- Increase Tk-8551 (EPN 3-78) throughput rates to increase the wastewater throughput of TK-8551 to accommodate the throughput of TK-8554 (EPN 1-97) during periods of maintenance and/or inspection of TK-8554.
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  - Also, the speciated LTAP emissions for the oil/water separator as well as the wastewater fugitives are being reconciled based on the currently permitted annual average oil flow rate of 0.34 bbls/day through the system.
- Revise the FE-8501 Flare (EPN 5-77) emissions
  - Shell proposes to provide the flexibility to utilize 100% natural gas, 100% St. Rose fuel gas, and/or any combination of the two in the flare pilot and flare sweep gas.
- Update material compositions based on recent site specific information. Sources affected by the updated material compositions include: the FE-8501 Flare (EPN 5-77), Site Fugitive Emissions (EPN 7-77), External Floating Roof Tank Cap (EPN 5018-01) and the Vertical Fixed Roof Tank Cap (EPN 5019-01)
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- Add Tank TK-8523 as an emission point (EPN 8-07). Tank TK-8523 is currently permitted as an Insignificant Activity; however, Shell proposes to include this tank as an emission point.
- Update site fugitive emissions (EPN 7-77)
- Update Insignificant and General Condition XVII Activities
- Update Regulatory Applicability.
  - Shell is incorporating regulatory applicability determinations for TK-8557 (EPN 4-77) and TK-8523 (EPN 8-07)
  - Shell is addressing the impacts of any recently promulgated regulations where appropriate

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**Shell Chemical LP - St Rose Refinery**  
**Agency Interest No.: 3462**  
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- And Shell is applying 40 CFR 60 Subpart GGG (NSPS for Equipment Leaks of VOC in Petroleum Refineries) on a site-wide basis making all fugitive components except compressor K-8501 subject to Subpart GGG requirements.
- Shell is also proposing a permit shield in the event the current fuel gas H<sub>2</sub>S monitor can not be repaired before the new H<sub>2</sub>S monitor can be installed.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM <sub>10</sub>	8.83	8.89	+0.06
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NO <sub>X</sub>	174.30	174.61	+0.31
CO	39.11	40.79	+1.68
VOC *	185.54	163.97	-21.57

**\* VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
1,3-Butadiene	<0.01	<0.01	-
1-Methylnaphthalene	-	<0.01	Neg.
2,2,4-Trimethylpentane	-	<0.01	Neg.
2-Methylnaphthalene	-	<0.01	Neg.
Acetonitrile	-	<0.01	Neg.
Benzene	1.17	1.50	+0.33
Biphenyl	-	<0.01	Neg.
Cresols	<0.01	<0.01	-
Cumene	-	<0.01	Neg.
Ethylbenzene	0.90	0.94	+0.04
n-Hexane	2.55	3.02	+0.47
Methanol	-	<0.01	Neg.
Methyl Tert-Butyl Ether	-	<0.01	Neg.
Naphthalene	2.97	1.93	-1.04
PAH's (not otherwise listed)	0.02	0.01	-0.01
Phenol	<0.01	<0.01	-

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**Shell Chemical LP - St Rose Refinery  
Agency Interest No.: 3462  
St. Rose, St. Charles Parish, Louisiana**

**\* VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Styrene	-	<0.01	Neg.
Toluene	5.31	6.19	+0.88
Xylene	7.11	7.03	-0.08
Total	20.03	20.62	+0.59

**Other VOC (TPY):** 143.35

**Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Ammonia	-	<0.01	Neg.
Hydrogen Sulfide	0.57	0.82	+0.25

**Request for Permit Shield**

Per 40 CFR 70.6(f) and LAC 33:III.507.I, a permit shield has been determined for the referenced facility as follows:

1. Shell submitted an Alternative Monitoring Plan (AMP) to EPA for determination regarding H2S monitoring required by 40 CFR 60.105(a) [NSPS Subpart J]. If / when the AMP would be approved by EPA, Shell can monitor as stated in the AMP in lieu of Subpart J requirements. However, if the AMP is denied or during the time when awaiting determination from EPA, Shell must monitor according to Subpart J requirements.

**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable

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St. Rose, St. Charles Parish, Louisiana**

requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the *St. Charles Herald Guide*, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})

**VIII. General Condition XVII Activities**

Work Activity	Emission Rates - tons
	VOC
Tank TK-8551 (5-2) Turnaround Activities	0.44
Tank TK-8552 (10-1) Turnaround Activities	1.30
Tank TK-8553 (10-2) Turnaround Activities	1.30
Tank TK-8554 (12-1) Turnaround Activities	0.97

**AIR PERMIT BRIEFING SHEET  
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**Shell Chemical LP - St Rose Refinery  
Agency Interest No.: 3462  
St. Rose, St. Charles Parish, Louisiana**

Work Activity	Emission Rates - tons	
	VOC	
Tank TK-8555 (15-1) Turnaround Activities	0.54	
Tank TK-8557 (20-1) Turnaround Activities	0.46	
Tank TK-8558 (20-2) Turnaround Activities	0.73	
Tank TK-8559 (20-3) Turnaround Activities	0.73	

**IX. Insignificant Activities**

ID No.:	Description	Capacity	Citation
	Portable Thermal Oxidizer	3.139 MMBTU/hr	LAC 33:III.501.B.5.A.1
TK-8521	TK-8521 Diesel Storage	250 gal	LAC 33:III.501.B.5.A.3
TK-8522	TK-8522 Vehicle Diesel Fuel	500 gal	LAC 33:III.501.B.5.A.3
	Lube Oil Storage Tanks (Drums)		LAC 33:III.501.B.5.A.3
	SS. Portafeed Foam Reduction Agent		
	Storage Vessel	400 gal	LAC 33:III.501.B.5.A.3
	Plastic Portafeed pH Control Agent		
	Storage Vessel	400 gal	LAC 33:III.501.B.5.A.3
N82092	Tank N82090 Desalter Agent	2000 gal	LAC 33:III.501.B.5.A.3
	Nalco Skid Filming Injection/Caustic		
	Tote		LAC 33:III.501.B.5.A.3
	Sampling Losses		LAC 33:III.501.B.5.A.6
	Miscellaneous On-Line Analyzer Vents		LAC 33:III.501.B.5.A.9
TK-8506	TK-8506 Ethylene Glycol	1000 gal	LAC 33:III.501.B.5.A.3
	Emergency Diesel Pump for Feed Pipe		
	Flushing	200 hp	LAC 33:III.501.B.5.D
	Emergency Diesel Fire Water Pump	200 hp	LAC 33:III.501.B.5.D

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

## Shell Chemical LP - St Rose Refinery

Agency Interest No.: 3462

St. Rose, St. Charles Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter																	
		5▲	509	9	11	13	15	2103	2109	2111	2113	2115	2121	2141	22	29*	51*	53*	56
UNF 001	St. Rose Refinery			1	1	1						1			1	1	1	1	1
EQT 001	1-77 F-8501 (H-1) Atmospheric Column Heater	1		1	1	1													
EQT 002	1-78 TK-8558 (20-2) FR																		
EQT 003	1-80 F-8502 (H-2) Vacuum Column Heater																		
EQT 004	1-96 Oil/Water Separator (SP-8501) Corrugated Plate Interceptor														2				
EQT 005	1-97 TK-8554 (12-1) IFR														1				
EQT 006	2-77 TK-8552 (10-1) EFR														1				
EQT 007	2-80 TK-8553 (10-2) EFR														1				
EQT 008	2-97 Cooling Water Tower Induced Draft													2					
EQT 009	3-77 TK-8559 (20-3) FR														3				
EQT 010	3-78 TK-8551 (5-2) IFR														1				
EQT 011	3-80 TK-8555 (15-1) IFR														3				
EQT 012	4-77 TK-8557 (20-1) FR														3				
EQT 013	5-77 FE-8501 Flare														1	3			
EQT 014	6-77 BLR-8501 Steam Boiler														1				
EQT 015	8-07 TK-8523 FR																		
FUG 001	2-96 Wastewater Fugitive Sources																		
FUG 002	7-77 Site Fugitive Emissions															1		1	
GRP 005	5018-01 External Floating Roof TK CAP EFR																		
GRP 006	5018-01 External Floating Roof TK CAP EFR																		

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Shell Chemical LP - St Rose Refinery  
 Agency Interest No.: 3462  
 St. Rose, St. Charles Parish, Louisiana

**X. Table I. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2109	2111	2113	2115	2121	2141	22	29*	51*	53*	56	59*
RLP 005	SNTL VENT 447 SR Vents from controlled RVs																			
RLP 006	CNTL VENT 115 SR St. Rose SUUSD Vents							3							1					

\* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

### KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.  
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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**St. Rose, St. Charles Parish, Louisiana**

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		A	K	Ka	Kb	J	D <sub>b</sub>	V <sub>V</sub>	G <sub>GG</sub>	I <sub>III</sub>	A	M	F <sub>F</sub>	A	H <sub>H</sub>	S <sub>S</sub>	V <sub>V</sub>	H <sub>HH</sub>	D <sub>4</sub>	D <sub>8</sub>	S <sub>80</sub>	S <sub>82</sub>			
UNF 001	St. Rose Refinery	1												1	1	1					1	1	3	1	
EQT 001	1-77 F-8501 (H-1) Atmospheric Column Heater							1																	
EQT 002	1-78 TK-8558 (20-2) FR					2																			
EQT 003	1-80 F-8502 (H-2) Vacuum Column Heater									1															
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EQT 014	6-77 BLR-8501 Steam Boiler											1													
EQT 015	8-07 TK-8523 FR																								
FUG 001	2-96 Wastewater Fugitive Sources																								1
FUG 002	7-77 Site Fugitive Emissions																								
GRP 005	5018-01 External Floating Roof Tk CAP EFR																								
GRP 006	5019-01 Vertical Fixed Roof Tank CAP FR																								

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Shell Chemical LP - St Rose Refinery  
 Agency Interest No.: 3462  
 St. Rose, St. Charles Parish, Louisiana

**X. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR						
		A	K	Ka	Kb	J	Db	VV	GGG	III	A	M	FF	A	HH	SS	VV	HHH	64	68	80	82				
RLP 005	SNTLVENT 447 SR Vents from controlled RVs																									
RLP 006	CNTLVENT 115 SR St. Rose SUJSD Vents																									

### **KEY TO MATRIX**

- 1    - The regulations have applicable requirements that apply to this particular emission source.  
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
  - 2    - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
  - 3    - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
- Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Shell Chemical LP - St Rose Refinery**  
**Agency Interest No.: 3462**  
**St. Rose, St. Charles Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Notes
UNF 001 St. Rose Refinery	Regulation of Fuels and Fuel Additives – Diesel Fuel Sulfur Control – Subpart I [40 CFR 80.500(a)(1)]  NESHAP for Benzene Waste Operations – Subpart FF [40 CFR 61.342(a)]	DOES NOT APPLY. As of April 1, 2006, the Shell – St. Rose facility no longer produces motor vehicle diesel fuel.
1-77 (EQT 001) F-8501 (H-1) Atmospheric Column Heater	Emission Limitations for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT. Total annual benzene quantity from facility waste is less than 10 Mg/Yr. Therefore, exempt from control requirements. Reporting and Recordkeeping requirements apply.
1-80 (EQT 003) F-8502 (H-2) Vacuum Column Heater		EXEMPT. Units emit less than 250 tons of SO <sub>2</sub> per year. Recordkeeping requirements apply.

## LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Shell Chemical LP - St Rose Refinery  
 Agency Interest No.: 3462  
 St. Rose, St. Charles Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
1-96 (EQT 004) Oil/Water Separator (SP-8501) CPI	Oil / Water – Separation [LAC 33:III.2109.A]	EXEMPT. Source emits less than 100 tpy of regulated hydrocarbons. [LAC 33:III.2109.B.4]
1-78 (EQT 002) TK-8558 (20-2)	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum liquids for Which Construction, Reconstruction, or Modification Commences after June 11, 1973 and prior to May 19, 1978. [40 CFR 60.110]	EXEMPT. The maximum vapor pressure of the material stored is less than 1.0 psia. Exempt per 40 CFR 60.113(d).
3-77 (EQT 009 ) TK-8559 (20-3)	Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Maximum vapor pressure is less than 1.5 psia.
2-97 (EQT 008) Cooling Water Tower Induced Draft	Emission Limits [LAC 33:III.1311.C]	EXEMPT. Exempt per LAC 33:III.1311.F.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Shell Chemical LP - St Rose Refinery**  
**Agency Interest No.: 3462**  
**St. Rose, St. Charles Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
3-80 (EQT 011)	NSPS Subpart Ka – Petroleum Liquid Storage Vessels [40 CFR 60.115a]	EXEMPT. The maximum vapor pressure of the material stored is less than 1.0 psia Exempt per 40 CFR 60.115a(d)(1).
TK-8555 (15-1)	Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Maximum vapor pressure is less than 1.5 psia.
4-77 (EQT 012)	Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Maximum vapor pressure is less than 1.5 psia.
TK-8557 (20-1)		DOES NOT APPLY. SO <sub>2</sub> emissions are less than 5 tons per year therefore the requirements for chapter 15 do not apply per LAC 33:III.1502.A.3.
5-77 (EQT 013)	Emission Limitations for Sulfur Dioxide [LAC 33:III.1503.C]	
FE-8501	Flare	
6-77 (EQT 014)	BLR-8501 Steam Boiler	
7-77 (Fug 002)	Site Fugitive Emissions	DOES NOT APPLY. The requirements of Subpart VV do not apply to this type of facility. This facility has to comply with requirements from Subpart GGG (which refers back to Subpart VV).
		NSPS Subpart VV - Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006 [40 CFR 60.480]

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Shell Chemical LP - St Rose Refinery**  
**Agency Interest No.: 3462**  
**St. Rose, St. Charles Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
(RLP 006) CNTLVENT 115 SR St. Rose SU/SD Vents	Emission Limitations for Sulfur Dioxide [LAC 33.III.1503.C]	DOES NOT APPLY. SO <sub>2</sub> emissions are less than 5 tons per year therefore the requirements for chapter 15 do not apply per LAC 33.III.1502.A.3.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in  
 Section X (Table 1) of this permit.

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)], and

## 40 CFR PART 70 GENERAL CONDITIONS

- 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
  - 1. the date, place as defined in the permit, and time of sampling or measurements;
  - 2. the date(s) analyses were performed;
  - 3. the company or entity that performed the analyses;
  - 4. the analytical techniques or methods used;
  - 5. the results of such analyses; and
  - 6. the operating conditions as existing at the time of sampling or measurement.
 [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to

## 40 CFR PART 70 GENERAL CONDITIONS

minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  - 5. changes in emissions would not qualify as a significant modification; and
  - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
  - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the

## 40 CFR PART 70 GENERAL CONDITIONS

semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

- a. Report by June 30 to cover January through March
  - b. Report by September 30 to cover April through June
  - c. Report by December 31 to cover July through September
  - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
- 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  - 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  - 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  - 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  - 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  - 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

## 40 CFR PART 70 GENERAL CONDITIONS

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 19, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
  - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    - 1. Report by June 30 to cover January through March
    - 2. Report by September 30 to cover April through June
    - 3. Report by December 31 to cover July through September
    - 4. Report by March 31 to cover October through December
  - D. Each report submitted in accordance with this condition shall contain the following information:
    - 1. Description of noncomplying emission(s);
    - 2. Cause of noncompliance;
    - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
    - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and

**LOUISIANA AIR EMISSION PERMIT  
GENERAL CONDITIONS**

- 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
  - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33.III.919 as well as notification requirements specified under LAC 33.III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33.I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

**AI ID:** 3462 SCOGI LA Holdings LLC - St Rose Facility  
**Activity Number:** PER20070002  
**Permit Number:** 2520-00028-V1  
**Air - Title V Regular Permit Renewal**

Also Known As:	ID	Name	User Group	Start Date
	2520-00028	SCOGI LA Holdings LLC - St Rose Facility	CDS Number	05-27-1993
13-1299890		Shell Chemical LP Norco Chemical Plant St Rose Site	Federal Tax ID	11-21-1999
LAD094904513		Shell St Rose Refinery	Hazardous Waste Notification	08-18-1980
LA00544216		WPC File Number	LPDES Permit #	06-25-2003
WP0571		WPC State Permit Number	LWDPS Permit #	06-25-2003
		Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
GD-089-0359		SW ID#	Solid Waste Facility No.	04-30-2001
70087HLLPT27009		TRI #	Toxic Release Inventory	07-19-2004
1644		Shell Chemical LP Norco Chemical Plant St Rose Site	Water Permitting	11-21-1999
<b>Physical Location:</b>		11842 River Rd Lot 2 (a portion of) St. Rose, LA 70087	<b>Main FAX:</b> 5044666360	
<b>Mailing Address:</b>		PO Box 10 Norco, LA 700790010	<b>Main Phone:</b> 5044657222	
<b>Location of Front Gate:</b>		29° 57' 3" 15 hundredths latitude, 90° 19' 42" 58 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83		
Related People:	Name	Mailing Address	Phone (Type)	Relationship
O. R. Boyd	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044656837 (WP)	Water Billing Party for
Hermie Bundick	15536 River Rd Norco, LA 700790010	15536 River Rd Norco, LA 700790010	5044656837 (WP)	Responsible Official for
Hermie Bundick	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	hermie.bundick@state.la.us	Responsible Official for
Andrew Englaude	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044657011 (WP)	Emission Inventory Contact for
Andrew Englaude	PO Box 2463 Houston, TX 772522463	PO Box 2463 Houston, TX 772522463	ANDREW.ENGLAUE	Emission Inventory Contact for
J. L. Golden	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	7132416161 (WP)	Air Permit Contact For
Fred Goodson	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Hazardous Waste Permit Contact For
Fred Goodson	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Solid Waste Billing Party for
Ragina Isham	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044656321 (WP)	Air Billing Contact for
A. W. Pearce	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044657668 (WP)	Accident Prevention Contact for
A. W. Pearce	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044656729 (WF)	Accident Prevention Contact for
Suzanne Postlethwaite	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044657668 (WP)	Accident Prevention Contact for
Suzanne Postlethwaite	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044656729 (WF)	Accident Prevention Billing Party for
Suzanne Postlethwaite	PO Box 10 Norco, LA 700790010	PO Box 10 Norco, LA 700790010	5044656729 (WF)	Accident Prevention Billing Party for
Related Organizations:	Name	Address	Phone (Type)	Relationship
SCOGI LA Holdings LLC	PO Box 2463 Houston, TX 77252	Owens		

General Information

AI ID: 3462 SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

Related Organizations:	Name	Address	Phone (Type)	Relationship
	SCOGI LA Holdings LLC	PO Box 2463 Houston, TX 77252	5044657220 (WP)	Operates
	Shell Chemical LP	PO Box 10 Norco, LA 700790010	5044656360 (WF)	Air Billing Party for
	Shell Chemical LP	PO Box 10 Norco, LA 700790010	5044657220 (WP)	Air Billing Party for
	Shell Chemical LP	PO Box 10 Norco, LA 700790010	5044656360 (WF)	Haz. Waste Billing Party for
	Shell Chemical LP	PO Box 10 Norco, LA 700790010	5044657220 (WP)	Haz. Waste Billing Party for
	Shell Chemical LP	PO Box 10 Norco, LA 700790010	5044656360 (WF)	Emission Inventory Billing Party
	Shell Chemical LP	PO Box 10 Norco, LA 700790010	5044657220 (WP)	Emission Inventory Billing Party

NAIC Codes:

324110, Petroleum Refineries

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.  
 Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

**INVENTORIES**  
**All ID: 3462 - SCOGILA Holdings LLC - St Rose Facility**  
**Activity Number: PER20070002**  
**Permit Number: 2520-00028-V1**  
**Air - Title V Regular Permit Renewal**

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>St. Rose Refinery</b>						
EQT0001	1-77 - F-8501 (H-1) Atmospheric Column Heater	185 MM BTU/hr	165 MM BTU/hr	165 MM BTU/hr	8760 hr/yr (All Year)	
EQT0002	1-78 - TK-8538 (20-2) FR	844662 gallons	74 MM BTU/hr	65 MM BTU/hr	8760 hr/yr (All Year)	
EQT0003	1-80 - F-8502 (H-2) Vacuum Column Heater		160 gallons/min	120 gallons/min	8760 hr/yr (All Year)	
EQT0004	1-96 - Oil/Water Separator (SP-8501) Corrugated Plate Interceptor	507788 gallons		2 MM bbl/yr	wastewater stop	8760 hr/yr (All Year)
EQT0005	1-97 - TK-8554 (12-1) IFR	433148 gallons				8760 hr/yr (All Year)
EQT0006	2-77 - TK-8552 (10-1) EFR	433148 gallons				8760 hr/yr (All Year)
EQT0007	2-80 - TK-8553 (10-2) EFR	433148 gallons				8760 hr/yr (All Year)
EQT0008	2-97 - Cooling Water Tower Induced Draft	844662 gallons	270 gallons/min	270 gallons/min	8760 hr/yr (All Year)	
EQT0009	3-77 - TK-8559 (20-3) FR	230298 gallons		1.37 MM bbl/yr	8760 hr/yr (All Year)	
EQT0010	3-78 - TK-8551 (5-2) IFR	632982 gallons			8760 hr/yr (All Year)	
EQT0011	3-80 - TK-8555 (15-1) FR	844662 gallons		5.1 gallons/min	8760 hr/yr (All Year)	
EQT0012	4-77 - TK-8557 (20-1) FR	3 MM BTU/hr	1.9 MM BTU/hr	smokeless; NG=0.29 MM BTU/hr; Fuel Gas=0.56 MM BTU/hr	8760 hr/yr (All Year)	
EQT0013	5-77 - FE-8501 Flare				8760 hr/yr (All Year)	
EQT0014	6-77 - BLR-8501 Steam Boiler	42.6 MM BTU/hr	37.5 MM BTU/hr		8760 hr/yr (All Year)	
EQT0015	8-07 - TK-8523 FR	500 gallons		1500 gallons/yr	8760 hr/yr (All Year)	
FUG0001	2-96 - Wastewater Fugitive Sources				8760 hr/yr (All Year)	
FUG0002	7-77 - Site Fugitive Emissions				8760 hr/yr (All Year)	
RLP0005	CNTLVENT 447 SR - Vents from controlled RVs				8760 hr/yr (All Year)	
RLP0006	CNTLVENT 116 SR - St. Rose SU/SD Vents				8760 hr/yr (All Year)	
<b>Stack Information:</b>						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
<b>St. Rose Refinery</b>						
EQT0001	1-77 - F-8501 (H-1) Atmospheric Column Heater	29	34195	5		100
EQT0002	1-78 - TK-8538 (20-2) FR			.83		32
EQT0003	1-80 - F-8502 (H-2) Vacuum Column Heater	16	18363	5		
EQT0004	1-96 - Oil/Water Separator (SP-8501) Corrugated Plate Interceptor			50		12
EQT0005	1-97 - TK-8554 (12-1) IFR			18.35		31.72
EQT0006	2-77 - TK-8552 (10-1) EFR			48		32
EQT0007	2-80 - TK-8553 (10-2) EFR			48		32
EQT0008	2-97 - Cooling Water Tower Induced Draft	65	27729	36.75		
EQT0009	3-77 - TK-8559 (20-3) FR			.83		
EQT0010	3-78 - TK-8551 (5-2) IFR			13.9		32
EQT0011	3-80 - TK-8555 (15-1) FR			.83		32

INVENTORIES

**AI ID:** 3462 - SCOGI LA Holdings LLC - St Rose Facility  
**Activity Number:** PER20070002  
**Permit Number:** 2520-00028-V1  
**Air - Title V Regular Permit Renewal**

Stack Information:	
ID	Description
St. Rose Refinery	
EQT0012	4-77 - TK-8557 (20-1) FR
EQT0013	5-77 - FE-8501 Flare
EQT0014	6-77 - BLR-8501 Steam Boiler
EQT0015	8-07 - TK-8523 FR

Relationships:	
ID	Description
EQT0013	5-77 FE-8501 Flare
EQT0013	5-77 FE-8501 Flare

Subject Item Groups:	
ID	Group Type
GRP0005	Equipment Group
GRP0006	Equipment Group
UNF0001	Unit or Facility Wide

Group Membership:	
ID	Description
EQT0002	1-78 - TK-8558 (20-2) FR
EQT0006	2-77 - TK-8552 (10-1) EFR
EQT0007	2-80 - TK-8553 (10-2) EFR
EQT0009	3-77 - TK-8559 (20-3) FR
EQT0011	3-80 - TK-8555 (15-1) FR

**NOTE:** The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:	
Fee Number	Air Contaminant Source
0720	Petroleum Refining (Rated Capacity)

SIC Codes:	Air Contaminant Source	Multiplier	Units Of Measure
2911	Petroleum refining	60	1,000 BBL/Day
2911	Petroleum refining		UNF001

**EMISSION RATES FOR CRITERIA POLLUTANTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility

Activity Number: PER20070002

Permit Number: 2520-00028-V1

Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>St. Rose Refinery</b>															
EQT 001 1-77	3.96	4.44	17.34	26.96	30.22	118.07	1.23	1.38	5.39	4.39	4.92	19.23	0.25	0.28	1.08
EQT 002 1-78															
EQT 003 1-80	1.56	1.78	6.83	9.10	10.36	39.87	0.49	0.56	2.14	1.73	1.97	7.58	0.10	0.11	0.43
EQT 004 1-96	..												4.46	5.84	19.52
EQT 005 1-97													0.17		0.73
EQT 006 2-77															4.33
EQT 007 2-80															4.33
EQT 008 2-87															
EQT 009 3-77															
EQT 0010 3-78															
EQT 0011 3-80															
EQT 0012 4-77															
EQT 0013 5-77	0.71	0.93	3.10	0.13	0.17	0.57	0.02	0.03	0.11	0.51	0.68	2.23	0.75	1.00	3.31
EQT 0014 6-77	3.09	3.50	13.52	3.68	4.17	16.10	0.28	0.32	1.22	1.00	1.13	4.37	0.20	0.23	0.89
EQT 0015 8-07													0.01		0.05
FUG 0001 2-96													11.18	11.18	48.96
FUG 0002 7-77													9.35		40.97
GRP 0005 50-8-01													4.33		18.97
GRP 0006 5019-01													6.50		28.47

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility

Activity Number: PER20070002

Permit Number: 2520-00028-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0002 1-76	Benzene		0.21	
	Ethyl benzene		0.08	
	Hydrogen sulfide		0.18	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		< 0.01	
	Toluene		0.79	
	Xylene (mixed isomers)		0.40	
	n-Hexane		0.33	
EQT 0004 1-96	Benzene	< 0.01	0.01	0.01
	Cresol	< 0.01	< 0.01	< 0.01
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Phenol	< 0.01	< 0.01	< 0.01
	Toluene	0.01	0.01	0.03
	Xylene (mixed isomers)	0.01	0.02	0.03
EQT 0005 1-97	Benzene	< 0.01		< 0.01
	Ethyl benzene	< 0.01		< 0.01
	Toluene	< 0.01		< 0.01
	Xylene (mixed isomers)	< 0.01		< 0.01
	n-Hexane	< 0.01		0.02
EQT 0006 2-77	1,3-Butadiene		< 0.01	
	Benzene		0.01	
	Ethyl benzene		< 0.01	
	Hydrogen sulfide		< 0.01	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		< 0.01	
	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.03	
EQT 0007 2-80	1,3-Butadiene		< 0.01	
	Benzene		0.01	
	Ethyl benzene		< 0.01	
	Hydrogen sulfide		< 0.01	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		< 0.01	

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility

Activity Number: PER20070002

Permit Number: 2520-00028-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0007 2-80	Toluene		0.02	
	Xylene (mixed isomers)		0.02	
	n-Hexane		0.03	
EQT 0008 2-97	Benzene	< 0.01	< 0.01	< 0.01
	Cresol	< 0.01	< 0.01	< 0.01
	Ethyl benzene	< 0.01	< 0.01	< 0.01
	Phenol	< 0.01	< 0.01	< 0.01
	Toluene	< 0.01	< 0.01	< 0.01
	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
EQT 0009 3-77	Benzene		0.21	
	Ethyl benzene		0.08	
	Hydrogen sulfide		0.18	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		< 0.01	
	Toluene		0.79	
	Xylene (mixed isomers)		0.40	
EQT 0010 3-78	n-Hexane		0.33	
	Benzene	< 0.01		< 0.01
	Ethyl benzene	< 0.01		< 0.01
	Toluene	< 0.01		< 0.01
	Xylene (mixed isomers)	< 0.01		< 0.01
EQT 0011 3-60	n-Hexane	< 0.01		0.01
	Benzene		0.21	
	Ethyl benzene		0.08	
	Hydrogen sulfide		0.18	
	Naphthalene		0.01	
	Polynuclear Aromatic Hydrocar		< 0.01	
	Toluene		0.79	
EQT 0013 5-77	Xylene (mixed isomers)		0.40	
	n-Hexane		0.33	
	Benzene	< 0.01	< 0.01	0.01
	Toluene	< 0.01	< 0.01	< 0.01
EQT 0013 5-77	Xylene (mixed isomers)	< 0.01	< 0.01	< 0.01
	n-Hexane	0.01	0.01	0.02

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility

Activity Number: PER20070002

Permit Number: 2520-00028-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0015 8-07	Benzene	< 0.01		< 0.01
	Ethyl benzene	< 0.01		< 0.01
	Methyl Tertiary Butyl Ether	< 0.01		< 0.01
	Naphthalene	< 0.01		< 0.01
	Styrene	< 0.01		< 0.01
	Toluene	< 0.01		< 0.01
	Xylene (mixed isomers)	< 0.01		< 0.01
	n-Hexane	< 0.01		< 0.01
FUG 0001 2-96	Benzene	0.03	0.04	0.15
	Cresol	< 0.01	< 0.01	< 0.01
	Ethyl benzene	0.06	0.06	0.26
	Hydrogen sulfide	< 0.01	< 0.01	< 0.01
	Naphthalene	0.32	0.32	1.40
	Phenol	< 0.01	< 0.01	< 0.01
	Toluene	0.38	0.40	1.69
	Xylene (mixed isomers)	0.84	0.85	3.67
	n-Hexane	0.06	0.06	0.26
FUG 0002 7-77	1,3-Butadiene	< 0.01		< 0.01
	1-Methylnaphthalene	< 0.01		< 0.01
	2,2,4-Trimethylpentane	< 0.01		< 0.01
	2-Methylnaphthalene	< 0.01		< 0.01
	Acetonitrile	< 0.01		< 0.01
	Ammonia	< 0.01		< 0.01
	Benzene	0.05		0.22
	Biphenyl	< 0.01		< 0.01
	Cresol	< 0.01		< 0.01
	Cumene	< 0.01		< 0.01
	Ethyl benzene	0.03		0.12
	Hydrogen sulfide	< 0.01		0.01
	Methanol	< 0.01		< 0.01
	Methyl Tertiary Butyl Ether	< 0.01		< 0.01
	Naphthalene	0.10		0.44
	Phenol	< 0.01		< 0.01
	Polynuclear Aromatic Hydrocar	< 0.01		0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility

Activity Number: PER20070002

Permit Number: 2520-00028-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0002 7-77	Styrene	< 0.01		< 0.01
	Toluene	0.11		0.46
	Xylene (mixed isomers)	0.16		0.68
	n-Hexane	0.18		0.80
GRP 0005 5018-01	1,3-Butadiene	< 0.01		< 0.01
	Benzene	0.01		0.04
	Ethyl benzene	< 0.01		0.02
	Hydrogen sulfide	< 0.01		0.02
	Naphthalene	0.01		0.04
	Polynuclear Aromatic Hydrocar	< 0.01		< 0.01
	Toluene	0.02		0.07
	Xylene (mixed isomers)	0.02		0.09
	n-Hexane	0.03		0.15
GRP 0006 5018-01	Benzene	0.24		1.06
	Ethyl benzene	0.12		0.54
	Hydrogen sulfide	0.18		0.79
	Naphthalene	0.01		0.06
	Polynuclear Aromatic Hydrocar	< 0.01		< 0.01
	Toluene	0.90		3.93
	Xylene (mixed isomers)	0.58		2.55
	n-Hexane	0.40		1.76
UNF 0001 UNF 001	1,3-Butadiene			< 0.01
	1-Methylnaphthalene			< 0.01
	2,2,4-Trimethylpentane			< 0.01
	2-Methylnaphthalene			< 0.01
	Acetonitrile			< 0.01
	Ammonia			< 0.01
	Benzene			1.50
	Biphenyl			< 0.01
	Cresol			< 0.01
	Cumene			< 0.01
	Ethyl benzene			0.94
	Hydrogen sulfide			0.82
	Methanol			< 0.01

**EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility

Activity Number: PER20070002

Permit Number: 2520-00028-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 UNF 001	Methyl Tertiary Butyl Ether			< 0.01
	Naphthalene			1.93
	Phenol			< 0.01
	Polynuclear Aromatic Hydrocar			0.01
	Styrene			< 0.01
	Toluene			6.19
	Xylene (mixed isomers)			7.03
	n-Hexane			3.02

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**EQT0001 1-77 F-8501 (H-1) Atmospheric Column Heater**

- 1 [40 CFR 60.104(a)(1)]
- 2 [40 CFR 60.105(a)(4)]
- 3 [40 CFR 60.106(a)]
- 4 [40 CFR 60.106]
- 5 [LAC 33:III.1101.B]

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

Comply with the requirements of PSD-LA-65. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-65. Maximum TSP Emission Rate: 8.38 lb/hr. Maximum SO<sub>2</sub> Emission Rate: 92.11 lb/hr, comply with 40 CFR 60 Subpart J,

<= 0.10 gr/dscf H<sub>2</sub>S.

**EQT0003 1-80 F-8502 (H-2) Vacuum Column Heater**

- 9 [40 CFR 60.104(a)(1)]
- 10 [40 CFR 60.105(a)(4)]
- 11 [40 CFR 60.106(a)]
- 12 [40 CFR 60.106]
- 13 [LAC 33:III.1101.B]
- 14 [LAC 33:III.1313.C]
- 15 [LAC 33:III.1513.C]

Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]

Which Months: All Year Statistical Basis: Three-hour rolling average

Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Statistical Basis: None specified

Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

**SPECIFIC REQUIREMENTS**

**AI ID:** 3462 - SCOGI LA Holdings LLC - St Rose Facility  
**Activity Number:** PER20070002  
**Permit Number:** 2520-00028-V1  
**Air - Title V Regular Permit Renewal**

**EQT0004 1-96 Oil/Water Separator (SP-8501) Corrugated Plate Interceptor**

- 16 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.  
 Submit report: Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (11 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]  
 LAC 33:III.2[09]: EXEMPT - per LAC 33:III.2[09].B.4 - source emits less than 100 tons per year of regulated hydrocarbons.
- 17 [40 CFR 61.357(c)] Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2[09].D.2.
- 18 [LAC 33:III.2[09].B] Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the information specified in LAC 33:III.2[09].D.2.
- 19 [LAC 33:III.2[09].D.2]

**EQT0005 1-97 TK-8554 (12-1) IFR**

- 20 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.  
 Submit report: Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (11 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]  
 Equip with a submerged fill pipe.  
 Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.  
 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2[03].H.3 a-e.  
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2[03].I.1 - 7, as applicable.

**EQT0006 2-77 TK-8552 (10-1) EFR**

- 26 [40 CFR 60.112b(a)(2)(ii)] Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**EQT0006 2-77 TK-8552 (10-1) EFR**

- 27 [40 CFR 60.112(b)(1)(ii)] Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]
- 28 [40 CFR 60.113b(b)(1)(i)] Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 29 [40 CFR 60.113b(b)(1)(ii)] Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(iii)]
- Which Months: All Year Statistical Basis: None specified
- 30 [40 CFR 60.113b(b)(1)(iii)] If any source ceases to store VOL for a period of 1 year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill for the purposes of paragraphs (b)(1)(i) and (b)(1)(ii) of this section. [Subpart Kb.]
- [40 CFR 60.113b(b)(1)(iii)] Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)] There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)] Seal gap area  $\leq 212 \text{ cm}^2/\text{m}$  of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 31 [40 CFR 60.113b(b)(3)] Seal gap width  $\leq 3.81 \text{ cm}$  for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]
- Which Months: All Year Statistical Basis: None specified
- 32 [40 CFR 60.113b(b)(4)(i)(A)] Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]
- 33 [40 CFR 60.113b(b)(4)(i)(B)] Seal gap area  $\leq 21.2 \text{ cm}^2/\text{m}$  of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 34 [40 CFR 60.113b(b)(4)(i)] Which Months: All Year Statistical Basis: None specified
- 35 [40 CFR 60.113b(b)(4)(ii)(A)]
- 36 [40 CFR 60.113b(b)(4)(ii)(B)]
- 37 [40 CFR 60.113b(b)(4)(ii)(B)]

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**EQT0006 2-77 TK-8552 (10-1) EFR**

- 38 [40 CFR 60.113(b)(4)(ii)(B)] Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(B)]
- 39 [40 CFR 60.113(b)(4)(ii)(C)] Which Months: All Year Statistical Basis: None specified There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113(b)(4)(ii)(C)]
- 40 [40 CFR 60.113(b)(4)] Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113(b)(4) (i) and (ii) except as specified in 40 CFR 60.113(b)(4)(iii). Subpart Kb. [40 CFR 60.113(b)(4)]
- 41 [40 CFR 60.113(b)(5)] Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113(b)(5)]
- 42 [40 CFR 60.113(b)(6)(i)] If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113(b)(6)(i)]
- 43 [40 CFR 60.113(b)(6)(ii)] Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113(b)(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113(b)(6)(ii)]
- 44 [40 CFR 60.113(b)(6)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113(b)(6)]
- 45 [40 CFR 60.115(b)(1)] Which Months: All Year Statistical Basis: None specified Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112(b)(2) and 60.113(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(1)]
- 46 [40 CFR 60.115(b)(2)] Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(2)]
- 47 [40 CFR 60.115(b)(3)] Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113(b)(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.115(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115(b)(3)]
- 48 [40 CFR 60.115(b)(4)] Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115(b)(4)]
- 49 [40 CFR 60.116(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116(b)(a). Subpart Kb. [40 CFR 60.116(b)]

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**EQT0006 2-77 TK-8552 (10-1) EFR**

- 50 [40 CFR 60.116b(c)] VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years.
- Subpart Kb. [40 CFR 60.116b(c)]
- Equip with a submerged fill pipe.
- Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- Seal gap area <= 1 in.^2/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
- Seal gap area <= 10 in.^2/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
- Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- Which Months: All Year Statistical Basis: None specified
- Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified
- Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**SPECIFIC REQUIREMENTS**

**AI ID:** 3462 - SCOGI LA Holdings LLC - St Rose Facility  
**Activity Number:** PER20070002  
**Permit Number:** 2520-00028-V1  
**Air - Title V Regular Permit Renewal**

**EQT0007 2-80 TK-8553 (10-2) EFR**

66 [40 CFR 60.112b(a)(2)(iii)]

Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface. Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, equip each opening in the roof with a gasketed cover, seal, or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Close automatic bleeder vents at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Set rim vents to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting. Equip automatic bleeder vents and rim space vents with gaskets. Provide each emergency roof drain with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. Subpart Kb. [40 CFR 60.112b(a)(2)(ii)]

67 [40 CFR 60.112b(a)(2)]

Equip with an external floating roof consisting of a pontoon-type or double-deck type cover that rests on the liquid surface in a vessel with no fixed roof. Equip with a closure device between the wall of the storage vessel and the roof edge. The closure device consists of two seals, secondary above the primary. The primary seal shall be either a mechanical shoe seal or a liquid-mounted seal. Except as provided in 40 CFR 60.113b(b)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and tank wall. The secondary seal shall completely cover the annular space between the external floating roof and the wall of the storage vessel in a continuous fashion except as allowed in 40 CFR 60.113b(b)(4). The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(2)]

68 [40 CFR 60.113b(b)(1)(i)]

Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel during the hydrostatic testing of the vessel or within 60 days of the initial fill with VOL and at least once every 5 years thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(i)]

69 [40 CFR 60.113b(b)(1)(ii)]

Which Months: All Year Statistical Basis: None specified Seal gap area & width monitored by measurement at the regulation's specified frequency. Using the procedures in 40 CFR 60.113b(b)(2) determine the gap areas and maximum gap widths between the secondary seal and the wall of the storage vessel within 60 days of the initial fill with VOL and at least once per year thereafter. Subpart Kb. [40 CFR 60.113b(b)(1)(ii)]

70 [40 CFR 60.113b(b)(1)(iii)]

Which Months: All Year Statistical Basis: None specified If any source ceases to store VOL for a period of 1 year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill for the purposes of paragraphs (b)(1)(i) and (b)(1)(ii) of this section. [Subpart Kb]

71 [40 CFR 60.113b(b)(3)]

[40 CFR 60.113b(b)(4)(i)(A)] Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the respective standards in 40 CFR 60.113b(b)(4). Subpart Kb. [40 CFR 60.113b(b)(3)] One end of the mechanical shoe is to extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(A)]

72 [40 CFR 60.113b(b)(4)(i)(B)]

[40 CFR 60.113b(b)(4)(i)(B)] There are to be no holes, tears, or other openings in the shoe, primary seal fabric, or seal envelope. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)] Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)(B)]

73 [40 CFR 60.113b(b)(4)(i)(C)]

Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**EQT0007 2-80 TK-8553 (10-2) EFR**

- 75 [40 CFR 60.113b(b)(4)(i)] Seal gap width <= 3.81 cm for the width of any portion of any gap between the tank wall and the mechanical shoe or liquid-mounted primary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(i)]  
 Which Months: All Year Statistical Basis: None specified  
 Install the secondary seal above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in 60.113b(b)(2)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(A)]  
 Seal gap area <= 21.2 cm<sup>2</sup>/m of tank diameter (accumulated area) for gaps between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 76 [40 CFR 60.113b(b)(4)(ii)(A)] Which Months: All Year Statistical Basis: None specified  
 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 77 [40 CFR 60.113b(b)(4)(ii)(B)] Which Months: All Year Statistical Basis: None specified  
 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 78 [40 CFR 60.113b(b)(4)(ii)(B)] Which Months: All Year Statistical Basis: None specified  
 Seal gap width <= 1.27 cm for the width of any portion of any gap between the tank wall and the secondary seal. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(B)]
- 79 [40 CFR 60.113b(b)(4)(ii)(C)] Which Months: All Year Statistical Basis: None specified  
 There are to be no holes, tears, or other openings in the secondary seal or seal fabric. Subpart Kb. [40 CFR 60.113b(b)(4)(ii)(C)]  
 Make necessary repairs or empty the storage vessel within 45 days of identification in any inspection for seals not meeting the requirements listed in 40 CFR 60.113b(b)(4) (i) and (ii) except as specified in 40 CFR 60.113b(b)(4)(iii). Subpart Kb. [40 CFR 60.113b(b)(4)]  
 Submit notification: Due at least 30 days in advance of any gap measurements required by 40 CFR 60.113b(b)(1) to afford DEQ the opportunity to have an observer present. Subpart Kb. [40 CFR 60.113b(b)(5)]  
 If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, repair the items as necessary so that none of the conditions specified in this paragraph exist before filling or refilling the storage vessel with VOL. Subpart Kb. [40 CFR 60.113b(b)(6)(i)]  
 Submit notification in writing: Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(6) to afford DEQ an opportunity to inspect the storage vessel prior to refilling. If the inspection required by paragraph 40 CFR 60.113b(b)(6) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(b)(6)(ii)]
- 80 [40 CFR 60.113b(b)(4)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the external floating roof, the primary seal, the secondary seal, and fittings each time the storage vessel is emptied and degassed. Subpart Kb. [40 CFR 60.113b(b)(6)]
- 81 [40 CFR 60.113b(b)(5)] Which Months: All Year Statistical Basis: None specified  
 Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 60.113b(b)(2), (b)(3), and (b)(4). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(1)]
- 82 [40 CFR 60.113b(b)(6)] Submit a report: Due to DEQ within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1). The report shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(2)]
- 83 [40 CFR 60.113b(b)(6)(ii)]
- 84 [40 CFR 60.113b(b)(6)]
- 85 [40 CFR 60.115b(b)(1)]
- 86 [40 CFR 60.115b(b)(2)]

**SPECIFIC REQUIREMENTS**

**AI ID:** 3462 - SCOGI LA Holdings LLC - St Rose Facility  
**Activity Number:** PER20070002  
**Permit Number:** 2520-00028-V1  
**Air - Title V Regular Permit Renewal**

**EQT0007\_2-80 TK-8553 (10-2) EFR**

- 87 [40 CFR 60.115b(b)(3)] Gap measurement(s) recordkeeping by electronic or hard copy upon each occurrence of gap measurement performance, as required by 40 CFR 60.113b(b). Each record shall identify the storage vessel in which the measurement was performed and shall contain: 1) the date of measurement, 2) the raw data obtained in the measurement, 3) the calculations described in 40 CFR 60.113b(b)(2) and (b)(3). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(b)(3)]
- 88 [40 CFR 60.115b(b)(4)] Submit a report: Due to DEQ within 30 days after each seal gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report will identify the vessel and contain the information specified in 40 CFR 60.115b(b)(2) and the date the vessel was emptied or the repairs made and date of repair. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(b)(4)]
- 89 [40 CFR 60.116b(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 90 [40 CFR 60.116b(c)] VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 91 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 92 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 93 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 94 [LAC 33:III.2103.D.2.c] Seal gap area <= 1 in<sup>2</sup>/ft of tank diameter (6.5 cm<sup>2</sup>/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 95 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified  
 Seal gap area <= 10 in<sup>2</sup>/ft of tank diameter (65 cm<sup>2</sup>/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 96 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 97 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 98 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- 99 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified  
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 100 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified  
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**EQT0007\_2-80 TK-8553 (10-2) EFR**

- 101 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 102 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 103 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 104 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e.
- 105 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**EQT0010\_3-78 TK-8551 (5-2) IFR**

- 106 [40 CFR 60.112b(a)(1)(i)] Equip with a fixed roof in combination with an internal floating roof. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)]
- 107 [40 CFR 60.112b(a)(1)(ii)(C)] Equip internal floating roof with a mechanical shoe seal consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof. Subpart Kb. [40 CFR 60.112b(a)(1)(ii)(C)]
- 108 [40 CFR 60.112b(a)(1)] Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface. Equip each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains with a cover or lid and maintain in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Equip the cover or lid with a gasket. Bolt covers on each access hatch and automatic gauge float well except when they are in use. Equip automatic bleeder vents with a gasket and close at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Equip rim space vents with a gasket and set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover. Subpart Kb. [40 CFR 60.112b(a)(1)]

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**EQT0010 3-78 TK-8551 (5-2) IFR**

- 109 [40 CFR 60.113b(a)(1)] Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, repair the items before filling the storage vessel. Subpart Kb. [40 CFR 60.113b(a)(1)]
- Which Months: All Year Statistical Basis: None Specified
- If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, repair the items or empty and remove the storage vessel from service within 45 days.
- If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, request a 30-day extension from DEQ in the inspection report required in 40 CFR 60.115b(a)(3). Document in the request for extension that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. Subpart Kb. [40 CFR 60.113b(a)(2)]
- Tank roof and seals monitored by visual inspection/determination annually. Inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(2)]
- Which Months: All Year Statistical Basis: None Specified
- If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 40 CFR 60.113b(a)(2) and (a)(3)(ii) and at intervals no greater than 5 years in the case of vessels specified in paragraph 40 CFR 60.113b(a)(3)(i) of this section. Subpart Kb. [40 CFR 60.113b(a)(4)]
- Tank roof and seals monitored by visual inspection/determination at the regulation's specified frequency. Inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If a failure is detected during inspections required in this paragraph initiate repair provisions. Subpart Kb. [40 CFR 60.113b(a)(4)]
- Which Months: All Year Statistical Basis: None Specified
- Submit notification in writing. Due at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 40 CFR 60.113b(a)(1) and (a)(4) to afford DEQ an opportunity to have an observer present. If the inspection required by paragraph 40 CFR 60.113b(a)(4) is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, notify DEQ at least 7 days prior to the refilling of the storage vessel. Notify by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, submit notification in writing including the written documentation and send by express mail so that it is received by DEQ at least 7 days prior to the refilling. Subpart Kb. [40 CFR 60.113b(a)(5)]
- Submit a report: Due to DEQ as an attachment to the notification required by 40 CFR 60.7(a)(3). This report shall describe the control equipment and certify that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 60.113b(a)(1). Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(1)]

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**EQT0010 3-78 TK-8551 (5-2) IFR**

- 116 [40 CFR 60.115b(a)(2)] Inspection records recordkeeping by electronic or hard copy upon each occurrence of inspection, per 40 CFR 60.113b(a)(1) through (4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(a)(2)]
- 117 [40 CFR 60.115b(a)(3)] Submit a report: Due to DEQ within 30 days of the annual visual inspection required by 40 CFR 60.113b(a)(2) that detects any of the conditions described in 40 CFR 60.113b(a)(2). Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made. Keep copies of all reports for at least two years. Subpart Kb. [40 CFR 60.115b(a)(3)]
- 118 [40 CFR 60.116b(b)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 119 [40 CFR 60.116b(c)] VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
- 120 [40 CFR 61.356] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.

- 121 [40 CFR 61.357(c)] Submit report: Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (1.1 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]
- 122 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 123 [LAC 33:III.2103.C] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 124 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e.
- 125 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**EQT0013 5-77 FE-8501 Flare**

- 126 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide <= 0.1 gr/dscf (230 mg/dsm). Subpart J. [40 CFR 60.104(a)(1)]
- 127 [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: Three-hour rolling average Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 128 [40 CFR 60.106(a)] Which Months: All Year Statistical Basis: None specified Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]

**SPECIFIC REQUIREMENTS**

**AI ID:** 3462 - SCOGI LA Holdings LLC - St Rose Facility  
**Activity Number:** PER20070002  
**Permit Number:** 2520-00028-V1  
**Air - Title V Regular Permit Renewal**

**EQT0013 5-77 FE-8501 Flare**

- 129 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 130 [40 CFR 60.18(c)(1)] Design and operate for no visible emissions, as determined by the methods specified in 40 CFR 60.18(f), except for periods not to exceed a total of 5 minutes during any two consecutive hours. Subpart A. [40 CFR 60.18(c)(1)]
- 131 [40 CFR 60.18(c)(2)] Operate with a flame present at all times, as determined by the methods specified in 40 CFR 60.18(f)(2). Subpart A. [40 CFR 60.18(c)(2)]
- 132 [40 CFR 60.18(c)(3)(ii)] Heat content  $\geq$  300 BTU/scf (11.2 MJ/sem). Determine the net heating value of the gas being combusted by the methods specified in 40 CFR 60.18(f)(3). Subpart A. [40 CFR 60.18(c)(3)(ii)]
- 133 [40 CFR 60.18(c)(4)(iii)] Which Months: All Year Statistical Basis: None specified Exit Velocity  $<$  400 ft/sec (122 m/sec), as determined by the method specified in 40 CFR 60.18(f)(4), and less than the velocity V<sub>max</sub>, as determined by the method specified in 40 CFR 60.18(f)(5). Subpart A. [40 CFR 60.18(c)(4)(iii)]
- 134 [40 CFR 60.18(d)] Which Months: All Year Statistical Basis: None specified Monitor flares to ensure that they are operated and maintained in conformance with their designs. Applicable subparts will provide provisions stating how to monitor flares. Subpart A. [40 CFR 60.18(d)]
- 135 [40 CFR 60.18(e)] Operate at all times when emissions may be vented to the flare. Subpart A. [40 CFR 60.18(e)]
- 136 [40 CFR 60.18(f)(2)] Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- 137 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified Opacity  $\leq$  20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
- 138 [LAC 33:III.1105] Which Months: All Year Statistical Basis: None specified Submit notification: Due to SPOC as soon as possible after the start of burning of pressure valve releases for control over process upsets. Notify in accordance with LAC 33:1.3923. Notification is required only if the upset cannot be controlled in six hours.

**EQT0014 6-77 BLR-8501 Steam Boiler**

- 139 [40 CFR 60.104(a)(1)] Fuel gas: Hydrogen sulfide  $\leq$  0.1 gr/dscf (230 mg/dscm). Subpart J. [40 CFR 60.104(a)(1)]
- 140 [40 CFR 60.105(a)(4)] Which Months: All Year Statistical Basis: Three-hour rolling average Hydrogen sulfide monitored by continuous emission monitor (CEM) continuously. Monitor the H<sub>2</sub>S in fuel gases before being burned in any fuel gas combustion device. Subpart J. [40 CFR 60.105(a)(4)]
- 141 [40 CFR 60.106(a)] Which Months: All Year Statistical Basis: None specified Use as reference methods and procedures the test methods in 40 CFR 60 appendix A, or other methods and procedures as specified in 40 CFR 60.106, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart J. [40 CFR 60.106(a)]
- 142 [40 CFR 60.106] Determine compliance with standards using the test methods and procedures specified in 40 CFR 60.106(a) through (k). Subpart J.
- 143 [LAC 33:III.1101.B] Opacity  $\leq$  20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or tancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 144 [LAC 33:III.1313.C] Which Months: All Year Statistical Basis: None specified Total suspended particulate  $\leq$  0.6 lb/MMBTU of heat input.
- Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

**AI ID:** 3462 - SCOGI LA Holdings LLC - St Rose Facility  
**Activity Number:** PER20070002  
**Permit Number:** 2520-00028-V1  
**Air - Title V Regular Permit Renewal**

**EQT0014 6-77 BLR-8501 Steam Boiler**

Comply with the requirements of PSD-LA-65. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-65. Maximum TSP Emission Rate:2.51 lb/hr. Maximum SO2 Emission Rate: 27.64 lb/hr, comply with 40 CFR 60 Subpart J, <= 0.10 gr/dscf H2S.

**EQT0015 8-07 TK-8523 FR**

Equip with a submerged fill pipe.

Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

**FUG0002 7-77 Site Fugitive Emissions**

145 [LAC 33:III.2103.A]

146 [LAC 33:III.2103.A] Equip with a submerged fill pipe.  
 147 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e.  
 148 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

149 [40 CFR 60.482-2(a)(1)]

Pumps in light liquid service (no dual mechanical seal system): VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks by the methods specified in 40 CFR 60.485(b). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-2(c). Subpart VV. [40 CFR 60.482-2(a)(1)]

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service (no dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-2(c). Subpart VV. [40 CFR 60.482-2(a)(2)]

Which Months: All Year Statistical Basis: None specified

Pumps in light liquid service (no dual mechanical seal system): When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9 Subpart VV. [40 CFR 60.482-2(c)]

Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of VOC to the atmosphere, except as specified in 40 CFR 60.482-1(c) and 40 CFR 60.482-3(h) and (i). Subpart VV. [40 CFR 60.482-3(a)]

Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip the seal system with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of 40 CFR 60.482-10; or equip the seal system with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere. Subpart VV. [40 CFR 60.482-3(b)]

Compressors: Ensure that the barrier fluid is in heavy liquid service or not in VOC service. Subpart VV. [40 CFR 60.482-3(c)]

Compressors: Equip each barrier fluid system as described in 40 CFR 60.482-3(a) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart VV. [40 CFR 60.482-3(d)]

Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm. If the sensor indicates failure of the seal system, the barrier system, or both based on the criterion determined under 40 CFR 60.482-3(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-3(g). Subpart VV. [40 CFR 60.482-3(e)(1)]

Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**FUG002 7-77 Site Fugitive Emissions**

- Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart VV. [40 CFR 60.482-3(e)(2)]
- Compressors: When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-3(g)]
- Pressure relief devices in gas/vapor service: VOC, Total < 500 ppm above background, except during pressure releases, as determined by the methods specified in 40 CFR 60.485(c). Subpart VV. [40 CFR 60.482-4(a)]
- Which Months: All Year Statistical Basis: None specified
- Pressure relief devices in gas/vapor service: After each pressure release, return to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-4(b)(1)]
- Pressure relief devices in gas/vapor service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after a pressure release, to confirm the conditions of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as specified in 40 CFR 60.485(c). Subpart VV. [40 CFR 60.482-4(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 60.482-9. Comply with this requirement instead of the requirements in 40 CFR 60.482-4(d)(2)(a) and (b). Subpart VV. [40 CFR 60.482-4(d)(2)]
- Sampling connection systems: Equip with a closed-purged, closed-loop, or closed-vent system, except as provided in 40 CFR 60.482-1(c).
- Operate the system as specified in 40 CFR 60.482-5(a) and (b). Subpart VV.
- Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 60.482-1(c). The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line. Operate each open-ended valve or line equipped with a second valve such that the valve on the process fluid end is closed before the second valve is closed. The bleed valve or line may remain open during operations requiring venting the line between the block valves of a double block-and-bleed system, but shall comply with 40 CFR 60.482-6(a) at all other times. Subpart VV.
- Valves in gas/vapor service and in light liquid service: When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-7(d)]
- Which Months: All Year Statistical Basis: None specified
- Pumps and valves in light liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) by the method specified in 40 CFR 60.485(b), if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method and comply with the requirements of 40 CFR 60.482-8(b) through (d); OR eliminate the indication of a leak. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.482-8(c). Subpart VV. [40 CFR 60.482-8(a)]
- Which Months: All Year Statistical Basis: None specified
- 157 [40 CFR 60.482-3(e)(2)]
- 158 [40 CFR 60.482-3(g)]
- 159 [40 CFR 60.482-4(a)]
- 160 [40 CFR 60.482-4(b)(1)]
- 161 [40 CFR 60.482-4(b)(2)]
- 162 [40 CFR 60.482-4(d)(2)]
- 163 [40 CFR 60.482-5]
- 164 [40 CFR 60.482-6]
- 165 [40 CFR 60.482-7(d)]
- 166 [40 CFR 60.482-7]
- 167 [40 CFR 60.482-8(a)]

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**FUG0002 7-77 Site Fugitive Emissions**

- 168 [40 CFR 60.482-8(c)] Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors: When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9. Subpart VV. [40 CFR 60.482-8(c)]
- In conducting the performance tests required in 40 CFR 60.8, use as reference methods and procedures the test methods in Appendix A of Part 60 or other methods and procedures as specified in 40 CFR 60.485, except as provided in 40 CFR 60.8(b). Conduct any other required demonstrations using the test methods and procedures outlined. Subpart VV.
- 170 [40 CFR 60.486] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Record and maintain records as specified 40 CFR 60.486(a) through (k). Subpart VV.
- 171 [40 CFR 60.487(d)] Submit notification: Due 90 days before implementing either of the alternative standards contained in 40 CFR 60.483-1 or 60.483-2. Notify DEQ of the provision selected. Subpart VV. [40 CFR 60.487(d)]
- 172 [40 CFR 60.487(e)] Submit performance test results: Due in accordance with 40 CFR 60.8 of the General Provisions. Subpart VV. [40 CFR 60.487(e)]
- 173 [40 CFR 60.487] Submit semiannual report: Due semiannually to DEQ beginning six months after the initial startup date. Submit the information specified in 40 CFR 60.487(b) and (c). Subpart VV.
- 174 [40 CFR 60.592(a)] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
- 175 [40 CFR 60.592(d)] Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Compressor K-8501 is excluded from the requirements of this Subpart. Subpart GGG. [40 CFR 60.592(d)]
- 176 [40 CFR 60.592(e)] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
- 177 [LAC 33:III.21.B.1] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
- 178 [LAC 33:III.21.B.1] Repair according to LAC 33:III.21.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration.
- 179 [LAC 33:III.21.B.2] Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
- 180 [LAC 33:III.21.B.3] Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided.
- 181 [LAC 33:III.2121.C.1.a.ii] Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 182 [LAC 33:III.2121.C.1.a.ii] Which Months: All Year Statistical Basis: None specified Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 183 [LAC 33:III.2121.C.1.a.iii] Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**FUG0002 7-77 Site Fugitive Emissions**

184 [LAC 33:III.2121.C.1.b.i]

Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.

185 [LAC 33:III.2121.C.1.b.ii]

Which Months: All Year Statistical Basis: None specified  
 Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions).

186 [LAC 33:III.2121.C.1.b.iii]

Which Months: All Year Statistical Basis: None specified  
 Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.

187 [LAC 33:III.2121.C.1.c]

Which Months: All Year Statistical Basis: None specified  
 Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year).

188 [LAC 33:III.2121.C.3.a]

Which Months: All Year Statistical Basis: None specified  
 Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.

189 [LAC 33:III.2121.C.3.b]

Which Months: All Year Statistical Basis: None specified  
 All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3.

190 [LAC 33:III.2121.C.4.c]

Which Months: All Year Statistical Basis: None specified  
 Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).

191 [LAC 33:III.2121.C.4.c]

Which Months: All Year Statistical Basis: None specified  
 Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.

192 [LAC 33:III.2121.E.1]

Which Months: All Year Statistical Basis: None specified  
 When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired.

193 [LAC 33:III.2121.E]

Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request.

194 [LAC 33:III.2121.F]

Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**FUG0002 7-77 Site Fugitive Emissions**

195 [LAC 33:III.501.C.6]

- Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided:
- changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves;
  - the changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
  - actual emissions following the changes will not exceed the emission limits contained in this permit; and
  - the components are promptly incorporated into any applicable leak detection and repair program.

**GRP0005 5018-01 External Floating Roof TK CAP EFR**

Group Members: EQT0006 EQT0007

196 [LAC 33:III.501.C.6]

For Emission Cap (EPN 5018-01) permittee shall show compliance with the limits of this permit by maintaining the total overall throughputs of each product stored in the following storage tanks: TK-8552 and TK-8553. Total calculated VOC emissions shall not exceed permitted limits. Overall VOC emissions of the cap shall be calculated on the basis of throughput and recorded each month, as well as the VOC emissions calculated for the previous twelve months. Records shall be kept on site and available for inspection. Emissions above permitted limits for any twelve consecutive months period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the throughputs and total VOC emissions for each month of the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Office of Environmental Compliance, Enforcement Division by February 15 of each year.

**GRP0006 5019-01 Vertical Fixed Roof Tank CAP FR**

Group Members: EQT0002 EQT0009 EQT0011

197 [LAC 33:III.501.C.6]

For Emission Cap (EPN 5019-01) permittee shall show compliance with the limits of this permit by maintaining the total overall throughputs of each product stored in the following storage tanks: TK-8558, TK-8559, and TK-8555. Total calculated VOC emissions shall not exceed permitted limits. Overall VOC emissions of the cap shall be calculated on the basis of throughput and recorded each month, as well as the VOC emissions calculated for the previous twelve months. Records shall be kept on site and available for inspection. Emissions above permitted limits for any twelve consecutive months period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the throughputs and total VOC emissions for each month of the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Office of Environmental Compliance, Enforcement Division by February 15 of each year.

**RLP0006 CNTLVENT 115 SR St. Rose SU/SD Vents**

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**RLP0006 CNTLVENT 115 SR St. Rose SU/SD Vents**

- 198 [LAC 33:III.2115.K] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request.
- 199 [LAC 33:III.2141.A] Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F.
- 200 [LAC 33:III.2141.A] Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K.

**UNF0001 St. Rose Refinery**

- 201 [40 CFR 60] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 202 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies.
- 203 [40 CFR 61.148] Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
- 204 [40 CFR 61.355] Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
- 205 [40 CFR 61.356] Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF.
- 206 [40 CFR 61.357(a)] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 61.356(a) through (n), as applicable. Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF.
- 207 [40 CFR 61.357(c)] Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Initial report submitted in 1997. Subpart FF. [40 CFR 61.357(a)]
- 208 [40 CFR 61.] Submit report: Due annually and whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 10 Mg/yr (11 ton/yr) or more. Submit updates to the information specified in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(c)]
- 209 [40 CFR 70.5(a)(1)(iii)] All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 210 [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**UNF0001 St. Rose Refinery**

- 211 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V excess emissions report. Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
- 212 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification. Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 213 [40 CFR 82.Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
- 214 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 215 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 216 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 217 [LAC 33:III.2141.A] Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Keep records and determine compliance as specified in LAC 33:III.2115.I, J, and K.
- 218 [LAC 33:III.2141.A] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 219 [LAC 33:III.219] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 220 [LAC 33:III.2901.D] If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
- 221 [LAC 33:III.2901.F] An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- 223 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 224 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 225 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.

**SPECIFIC REQUIREMENTS**

AI ID: 3462 - SCOGI LA Holdings LLC - St Rose Facility  
 Activity Number: PER20070002  
 Permit Number: 2520-00028-V1  
 Air - Title V Regular Permit Renewal

**UNF0001 St. Rose Refinery**

226 [LAC 33:III.5609.A]

227 [LAC 33:III.5901.A]  
228 [LAC 33:III.5907]229 [LAC 33:III.5911.A]  
230 [LAC 33:III.5911.C]

231 [LAC 33:III.905]

232 [LAC 33:III.919.D]

233 [LAC 33:III.927]

- Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913, using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III. Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.
- Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.
- Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.
- Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:I.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.